

Title (en)

TEST SYSTEM FOR DYNAMIC POSITIONING CONTROLLER SYSTEM OF SHIP, HAVING DATA COLLECTION UNIT

Title (de)

TESTSYSTEM MIT DATENSAMMELEINHEIT ZUR DYNAMISCHEN POSITIONIERUNG EINES STEUERGERÄTESYSTEMS EINES SCHIFFES

Title (fr)

SYSTÈME DE VÉRIFICATION POUR SYSTÈME DE CONTRÔLE DE POSITIONNEMENT DYNAMIQUE DE NAVIRE, SYSTÈME DE VÉRIFICATION COMPORTANT UNE UNITÉ DE COLLECTE DE DONNÉES

Publication

EP 3279075 A1 20180207 (EN)

Application

EP 15887838 A 20150414

Priority

- KR 20150046316 A 20150401
- KR 2015003717 W 20150414

Abstract (en)

Disclosed is a test system for a dynamic positioning controller system of a ship, the dynamic positioning controller system generating a control signal containing final destination information of the ship based on a simulated sensor signal, the test system including: an actuator simulator receiving the control signal containing the final destination information of the ship and continuously generating a modeled control signal containing thrust information; a ship simulator receiving the modeled control signal and performing ship motion analysis; a sensor simulator measuring the simulated sensor signal at the ship simulator; and a data collection unit storing a test condition, wherein when the test system repeatedly performs simulation based on the test condition, the data collection unit stores test results and analyzes the stored test results to automatically generate a report, whereby the test system derives highly reliable test results based on the modeled control signal and the simulated sensor signal.

IPC 8 full level

B63B 9/00 (2006.01); **B63H 25/42** (2006.01); **G06F 17/00** (2006.01); **G06F 17/50** (2006.01)

CPC (source: EP US)

B63H 25/42 (2013.01 - EP US); **G05D 1/0206** (2024.01 - US); **G06F 30/15** (2020.01 - EP US); **G06F 30/20** (2020.01 - EP US); **G01S 19/38** (2013.01 - US); **G05B 17/02** (2013.01 - US)

Cited by

CN108594284A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3279075 A1 20180207; **EP 3279075 A4 20190102**; KR 101706603 B1 20170216; KR 20160118455 A 20161012; US 2018129761 A1 20180510; WO 2016159428 A1 20161006

DOCDB simple family (application)

EP 15887838 A 20150414; KR 2015003717 W 20150414; KR 20150046316 A 20150401; US 201515561858 A 20150414